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Deborah Merrill, Branch Head

**NORTH CAROLINA AREA PROGRAMS
ANNUAL ADMISSION REPORT**



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**North Carolina
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Developmental Disabilities and Substance Abuse Services**

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PREFACE

This is the 1999-2000 fiscal year report on the characteristics of all admissions to North Carolina's 39 Area Programs. Data are grouped by client characteristics or by each of the four regions, with the exception of Table III that is presented by area.

The characteristics included are: diagnostic category, type admission, age, sex, race marital status, source of referral, employment status, income and education. Also, included is one table with selected characteristics for all terminations; in particular, diagnostic category, race, age and sex. The report will provide a baseline of data for the review of trends and patterns (see Figure 1) in admissions among regions and for the state as a whole.

INTRODUCTION

This report summarizes characteristics of all admissions to North Carolina's 39 Area Programs for the fiscal year 1999-2000. Information provided in the report is based on client data submitted to the Division's Data Operation. The data are stored in the Division of Mental Health, Developmental Disabilities and Substance Abuse Service's Client Data Warehouse (CDW).

Table I through Table III depicts characteristics for the 86,707 total admissions during fiscal year 1999-2000. For more detailed statistics refer to **the Annual Statistics Report, Area Programs, Fiscal Year 1999-2000.**

Table IV depicts selected characteristics for the 67,957 terminations which occurred during fiscal year 1999-2000. This table is included to allow comparisons between diagnosis at admission and at termination.

FIGURE 1
SELECTED CHARACTERISTICS OF ADMISSIONS AND PERCENT CHANGE OVER TIME
STATE TOTAL FISCAL YEAR 1995-96, 1996-97, 1997-98, 1998-99, 1999-00

CHARACTERISTICS	FY96	FY97	FY98	FY99	FY00	PERCENT		
						FY00 vs. FY99	FY00 vs. FY98	FY00 vs. FY96
TOTAL ADMISSIONS	102,732	106,855	112,101	105,981	86,707	-18.2%	-22.7%	-15.6%
BY DIAGNOSIS								
ALCOHOL	22,217	21,860	21,852	19,938	13,422	-32.7%	-38.6%	-39.6%
DRUG	17,541	18,994	19,735	19,079	12,942	-32.2%	-34.4%	-26.2%
MENTAL RETARDATION	1,235	1,181	1,412	1,258	830	-34.0%	-41.2%	-32.8%
MENTALLY ILL	49,778	49,492	57,433	53,359	41,223	-22.7%	-28.2%	-17.2%
NO MENTAL DISORDER	670	286	429	438	166	-62.1%	-61.3%	-75.2%
UNKNOWN-DEFERRED	11,291	15,042	11,240	11,909	18,124	52.2%	61.2%	60.5%
BY SEX								
MALE	60,035	63,143	65,161	61,803	49,679	-19.6%	-23.8%	-17.2%
FEMALE	42,697	43,712	46,940	44,178	36,228	-18.0%	-22.8%	-15.2%
BY RACE								
WHITE	60,494	62,504	66,341	62,520	52,201	-16.5%	-21.3%	-13.7%
BLACK	37,939	39,529	40,600	37,872	27,655	-27.0%	-31.9%	-27.1%
AMERICAN INDIAN	1,982	1,817	1,518	1,662	1,025	-38.3%	-32.5%	-48.3%
HISPANIC	1,134	1,491	1,884	2,053	127	-93.8%	-93.3%	-88.8%
OTHER	554	678	777	1,034	2,517	143.4%	223.9%	354.3%
ASIAN/PACIFIC ISLANDER	172	208	250	232	273	17.7%	9.2%	58.7%
UNKNOWN	457	628	731	608	2,909	378.5%	297.9%	536.5%

NOTE: Includes incomplete data from Mecklenburg Area Program.

TABLE I

The data reflected in this table includes admissions by diagnosis, type of admission and marital status. The aggregate groupings of diagnosis are based on the DSM IV, **Diagnostic and Statistical Manual of Mental Disorders, Fourth Edition, (American Psychiatric Association, 1994).**

Of the diagnoses reported at time of admission, alcohol abuse accounted for the largest group (15.5%). However, when looking at Psychiatric Diagnosis only, which represented 44.1 percent of all diagnosis, anxiety/depression disorders (14.4%) accounted for the most frequently diagnosis, while childhood disorders (11.4%) was the second most frequent diagnosis. Clients diagnoses with mental retardation accounted for less than 2 percent (1.0%) of all admissions while drug abuse (exclusion of alcohol) accounted for 14.9 percent.

In the marital status category the largest group are those who are single, representing 60.0 percent of all admissions. This is fairly consistent across all regions.

TABLE I
TOTAL ADMISSIONS BY DIAGNOSTIC CATEGORY, TYPE ADMISSION & MARITAL STATUS
NORTH CAROLINA'S 39 AREA PROGRAMS BY REGION, FY1999-00

	TOTAL		WESTERN	NORTH CENTRAL	SOUTH CENTRAL	EASTERN
	*PERCENT	NUMBER				
TOTAL ADMISSIONS	100.0%	86,707	26,665	21,280	18,901	19,861
DIAGNOSTIC CATEGORY **						
MENTAL RETARDATION	1.0%	830	229	233	164	204
ATTENTION DEFICIT	3.3%	2,897	805	718	501	873
CONDUCT	4.4%	3,776	1,253	856	645	1,022
AUTISM & PERVERSIVE DEV.	0.3%	217	51	68	56	42
SPECIFIC DEVELOPMENT	0.8%	681	297	194	86	104
OTHER CHILDHOOD DISORDERS	2.6%	2,219	432	433	783	571
EATING AND SLEEPING DISORDERS	0.1%	69	26	18	7	18
MEDICATION INDUCED	0.0%	4	2	0	1	1
PRIMARY DEGENERATIVE DEMENTIA	0.2%	187	24	62	33	68
VASCULAR DEMENTIA	0.1%	101	25	37	22	17
SUBSTANCE ABUSE (DRUGS)	14.9%	12,942	4,431	3,183	3,073	2,255
ALCOHOL ABUSE	15.2%	13,164	4,047	2,747	3,013	3,357
ALCOHOL RELATED ORGANIC	0.3%	258	108	37	78	35
OTHER MENTAL DISORDERS	0.5%	464	115	126	76	147
SCHIZOPHRENIC	1.2%	1,020	262	244	233	281
SCHIZOPHRENIFORM	0.0%	40	11	10	10	9
SCHIZOAFFECTIVE	0.7%	564	180	121	145	118
DELUSIONAL	0.1%	103	23	41	22	17
OTHER PSYCHOTIC	0.9%	811	198	175	232	206
BIPOLAR	2.3%	2,015	599	485	518	413
MAJOR DEPRESSIVE	10.5%	9,124	2,518	2,409	1,769	2,428
DYSTHYMIA	2.0%	1,694	474	400	293	527
ANXIETY	3.9%	3,420	1,084	946	591	799
SOMATOFORM/FACTITIOUS	0.1%	57	13	17	13	14
DISSOCIATIVE	0.0%	24	7	8	3	6
SEXUAL	0.1%	113	31	27	33	22
PERSONALITY & OTHER IMPULSES	1.0%	878	300	179	141	258
ADJUSTMENT	8.6%	7,489	2,592	1,737	1,475	1,685
OTHER NONPSYCHOTIC/MENTAL	0.4%	367	99	88	111	69
OTHER PROBLEMS NOT MENTAL	3.3%	2,889	584	1,281	379	645
NO MENTAL DISORDER	0.2%	166	46	51	7	62
DIAGNOSIS DEFERRED	0.1%	128	43	40	23	22
UNKNOWN	20.8%	17,996	5,756	4,309	4,365	3,566
MARITAL STATUS						
SINGLE	60.0%	52,047	15,720	13,111	11,156	12,060
MARRIED	16.1%	13,980	4,294	3,176	3,053	3,457
DIVORCED	10.8%	9,335	3,292	2,194	1,907	1,942
ANNULLED	0.7%	644	7	625	7	5
DOMESTIC PARTNER	0.1%	55	22	3	17	13
SEPARATED	8.0%	6,938	2,447	1,465	1,423	1,603
WIDOWED	2.2%	1,871	567	420	389	495
UNKNOWN	2.1%	1,837	316	286	949	286

NOTE: Includes incomplete data from Mecklenburg Area Program.

*TOTALS DO NOT ALWAYS EQUAL 100 % DUE TO ROUNDING

** DERIVED FROM DSM-IV CODING

TABLE II

The data in this table reflects admission characteristics by race, sex and age categories.

Males represented a majority of the total admissions (59%) with females representing 42 percent of the total admissions. This indicates that females are somewhat under represented since they accounted for 51.5 percent of the total state population in the 1990 census. Males accounted for the majority of the total admissions across the four regions.

When looking at race categories during FY00 non-white admissions numbered 34,506 or 40 percent of the total reported. Of the non-white admissions reported 1.2 percent were American Indian.

The age group composition of area program admissions reflects that 19.7 percent fell between the 25 to 34 age range. When admissions are grouped by the three major age groups, 27.6 percent were 0-17, 69.7 percent were between 18-64 and 2.7 percent were 65 years and old.

According to the 1990 Census, the age distribution for the State population as a whole was children 27.9 percent, adult 60.0 percent and the elderly 12.1 percent.

TABLE II
TOTAL ADMISSIONS BY RACE, SEX AND AGE
NORTH CAROLINA'S 39 AREA PROGRAMS
BY REGION, FY1999-00

	TOTAL		WESTERN	NORTH CENTRAL	SOUTH CENTRAL	EASTERN
	*PERCENT	NUMBER				
TOTAL ADMISSIONS	100.0%	86,707	26,665	21,280	18,901	19,861
RACE						
WHITE	60.2%	52,201	19,258	12,136	10,017	10,790
BLACK	31.9%	27,655	5,285	7,917	6,307	8,146
AMERICAN INDIAN	1.2%	1,025	208	80	628	109
HISPANIC	0.1%	127	1	87	31	8
ASIAN/PACIFIC ISLANDER	0.3%	273	75	76	82	40
OTHER	2.9%	2,517	559	688	755	515
UNKNOWN	3.4%	2,909	1,279	296	1,081	253
SEX						
MALE	57.3%	49,679	15,431	12,234	10,556	11,458
FEMALE	41.8%	36,228	11,162	9,003	7,667	8,396
UNKNOWN	0.9%	800	72	43	678	7
AGE						
00-04	4.4%	3,831	1,206	844	965	816
05-09	6.6%	5,702	1,616	1,598	1,114	1,374
10-14	9.2%	7,951	2,232	2,269	1,552	1,898
15-17	7.4%	6,431	1,978	1,548	1,403	1,502
18-20	5.3%	4,633	1,415	1,140	1,015	1,063
21-24	7.3%	6,325	1,981	1,622	1,322	1,400
25-34	19.7%	17,043	5,406	4,193	3,904	3,540
35-44	21.6%	18,731	6,086	4,248	4,184	4,213
45-54	11.8%	10,212	3,089	2,399	2,177	2,547
55-64	4.0%	3,482	1,047	816	762	857
65 AND OVER	2.7%	2,366	609	603	503	651

*TOTALS DO NOT ALWAYS EQUAL 100 % DUE TO ROUNDING

NOTE: Includes incomplete data from Mecklenburg Area Program.

Figure 3 indicates that children ages 0-17 have the highest admission rate (1,292) per 100,000 child population) with adults second (1,064) per 100,000 adult population).

Figure 3

*ADMISSION RATES PER 100,000 POPULATION
BY AGE GROUP BY REGION, FY1999-00

REGION	TOTAL	CHILDREN (0-17)	ADULT (18-65)
WESTERN	1,051	1,197	1,007
N.CENTRAL	1,194	1,528	1,095
S.CENTRAL	1,011	1,068	992
EASTERN	1,270	1,461	1,209
STATE	1,119	1,292	1,064

* Admission Rate = (Admissions/Population) x 100,000

NOTE: Includes incomplete data from Mecklenburg Area Program

TABLE III

The data presented in Table III reflect admissions by Area Program by each disability/age group. Table III was added to the Admissions Characteristics Report because of the need for a quick reference for data by disability and age group for specific Area Programs.

Sixty-eight percent (58,615) of all admissions were mental health, 2 percent (1,728) were developmentally disabled and 30 percent (26,364) were substance abuse clients. The Western Region accounted for 31 percent (26,665) of admissions. The remaining regions each overage approximately 23 percent of admissions per region. The North Central Region accounted for 25 percent (21,280), the South Central Region 22 percent (18,901), and the Eastern Region accounted for 23 percent (19,861). Among Area Programs, Guilford had the greatest number of admissions (4,810) and Riverstone has the fewest admissions (857).

TABLE III
NUMBER OF ADMISSIONS BY AGE DISABILITY
NORTH CAROLINA'S 39 AREA PROGRAMS
BY REGION, FY1999-00

AREA PROGRAM	TOTAL ADMS.	MENTALLY ILL			DEVELOPMENTAL DISABILITIES			SUBSTANCE ABUSE		
		TOTAL	ADULT	CHILD	TOTAL	ADULT	CHILD	TOTAL	ADULT	CHILD
<u>WESTERN REGION</u>										
SMOKY MOUNTAIN	3,021	2,417	1,594	823	48	31	17	556	546	10
BLUE RIDGE	3,697	1,838	1,119	719	182	41	141	1,677	1,584	93
NEW RIVER	2,022	1,890	1,388	502	0	0	0	132	130	2
TREND	1,423	1,071	695	376	29	10	19	323	321	2
FOOTHILLS	1,771	1,239	860	379	13	8	5	519	510	9
RUTHERFORD-POLK	1,022	845	607	238	13	12	1	164	157	7
GASTON-LINCOLN	3,779	2,516	1,567	949	172	39	133	1,091	1,056	35
CATAWBA	2,534	1,514	962	552	33	2	31	987	943	44
MECKLENBURG	4,365	2,120	1,298	822	55	24	31	2,190	2,138	52
PIEDMONT	3,031	2,052	1,102	950	32	15	17	947	874	73
<u>N.C. REGION</u>										
CROSSROADS	3,574	2,951	2,085	866	40	19	21	583	557	26
CENTERPOINT	3,957	1,890	1,112	778	67	41	26	2,000	1,910	90
ROCKINGHAM	2,041	1,511	426	1,085	30	10	20	500	465	35
GUILFORD	4,810	3,206	2,109	1,097	201	39	162	1,403	1,350	53
ALAMANCE-CASWELL	1,516	1,193	754	439	8	4	4	315	302	13
O-P-C	1,792	1,158	681	477	38	15	23	596	583	13
DURHAM	2,218	1,829	1,306	523	97	37	60	292	291	1
V-G-F-W	1,372	1,080	649	431	14	9	5	278	267	11
<u>S.C. REGION</u>										
DAVIDSON	2,059	1,320	700	620	25	16	9	714	670	44
SANDHILLS	2,653	1,684	796	888	21	17	4	948	857	91
SOUTHEASTERN REG.	1,927	1,361	876	485	29	17	12	537	526	11
CUMBERLAND	3,183	1,966	1,409	557	62	8	54	1,155	1,116	39
LEE-HARNETT	1,434	1,192	835	357	14	13	1	228	221	7
JOHNSTON	1,238	890	546	344	18	13	5	330	313	17
WAKE	4,796	2,706	1,944	762	128	31	97	1,962	1,883	79
RANDOLPH	1,611	1,312	768	544	9	6	3	290	286	4
<u>EASTERN REGION</u>										
SOUTHEASTERN	2,479	1,597	903	694	49	31	18	833	801	32
ON SLOW	1,267	696	478	218	90	14	76	481	477	4
WAYNE	1,497	1,099	563	536	10	9	1	388	382	6
WILSON-GREENE	1,484	1,308	837	471	19	12	7	157	150	7
EDGEcombe-NASH	1,799	1,240	742	498	10	6	4	549	526	23
RIVERSTONE	857	647	389	258	8	4	4	202	197	5
NEUSE	1,683	1,136	685	451	47	26	21	500	479	21
LENOIR	1,041	693	386	307	12	10	2	336	317	19
PITT	1,497	1,036	738	298	14	3	11	447	403	44
ROANOKE CHOWAN	1,124	781	411	370	19	6	13	324	320	4
TIDELAND	1,942	1,364	959	405	19	15	4	559	539	20
ALBEMARLE	1,925	1,343	921	422	30	17	13	552	549	3
DUPLIN-SAMPSON	1,266	924	639	285	23	18	5	319	309	10
STATE TOTAL	86,707	58,615	36,839	21,776	1,728	648	1,080	26,364	25,305	1,059

NOTE: Includes incomplete data from Mecklenburg Area Program.

TABLE IV

This table includes selected indicators for all terminations while the proceeding four tables focused on admissions. This table was included since diagnostic classification may change during the course of involvement and final diagnoses should be more accurate.

The relationships described for admission diagnosis remained true for termination diagnoses, although absolute numbers and percentages changed. Alcohol abuse accounted for 19.1 percent of terminations. Adjustment disorders accounted for 10.7 percent of terminations versus 8.6 percent of admissions while depression/anxiety disorders accounted for 15.2 percent versus 14.4 percent at admission. As for mental retardation, there was a slight change at termination (0.9%) when compared to those diagnoses at MR at admission (1.0%), while those diagnosed as drug abusers at termination accounted for 16.0 percent versus 14.9 percent at admissions.

TABLE IV
TOTAL TERMINATIONS BY DIAGNOSTIC CATEGORY, RACE, SEX AND AGE
NORTH CAROLINA'S 39 AREA PROGRAMS BY REGION, FY1999-00

	TOTAL		WESTERN	NORTH CENTRAL	SOUTH CENTRAL	EASTERN
	*PERCENT	NUMBER				
TOTAL TERMINATIONS	100.0%	67,937	19,089	12,405	17,325	19,118
DIAGNOSTIC CATEGORY **						
Mental Retardation	0.9%	624	216	78	156	174
Attention Deficit	3.8%	2,592	685	315	591	1,001
Conduct	4.4%	3,008	1,032	364	699	913
Autism & Pervasive Dev.	0.2%	104	43	12	24	25
Specific Development	0.9%	610	378	65	82	85
Other Childhood Disorders	2.7%	1,847	345	255	625	622
Eating and Sleeping Disorders	0.1%	92	39	15	15	23
Medication Induced	0.0%	0	0	0	0	0
Primary Degenerative Dementia	0.3%	228	27	38	77	86
Vascular Dementia	0.2%	108	20	34	23	31
Substance Abuse (Drugs)	16.0%	10,888	3,125	2,144	3,036	2,583
Alcohol Abuse	18.6%	12,614	3,467	1,948	3,133	4,066
Alcohol Related Organic	0.5%	362	128	31	151	52
Other Mental Disorders	0.7%	467	119	93	121	134
Schizophrenic	1.6%	1,107	294	194	263	356
Schizophreniform	0.1%	40	7	7	11	15
Schizoaffective	0.6%	439	134	98	127	80
Delusional	0.1%	100	35	18	24	23
Other Psychotic	0.9%	624	149	61	209	205
Bipolar	2.2%	1,494	429	304	452	309
Major Depression	11.1%	7,549	2,080	1,318	2,235	1,916
Dysthymia	2.6%	1,734	526	271	339	598
Anxiety	4.1%	2,815	908	574	684	649
Somatoform/Factitious	0.1%	55	15	5	16	19
Dissociative	0.0%	30	13	9	6	2
Sexual	0.2%	129	42	5	41	41
Personality & Other Impulses	1.3%	850	349	104	147	250
Adjustment	10.7%	7,291	2,424	1,050	1,900	1,917
Other Nonpsychotic/Mental	0.4%	257	79	35	91	52
Other Problems Not Mental	5.0%	3,384	741	1,186	681	776
No Mental Disorder	0.2%	150	37	57	4	52
Diagnosis Deferred	0.3%	186	56	41	12	77
Unknown	9.1%	6,159	1,147	1,676	1,350	1,986
RACE						
White	61.7%	41,937	14,709	7,524	10,161	9,543
Black	31.5%	21,383	3,377	4,157	4,947	8,902
American Indian	1.1%	775	232	42	407	94
Hispanic	0.2%	110	0	50	8	52
Asian/Pacific Islander	0.2%	143	37	21	63	22
Other	2.5%	1,727	352	417	594	364
Unknown	2.7%	1,862	382	194	1,145	141
AGE GROUPS						
00-04	1.9%	1,269	396	188	348	337
05-09	5.7%	3,880	1,158	786	952	984
10-14	8.4%	5,695	1,595	1,212	1,397	1,491
15-17	6.1%	4,167	1,271	587	1,189	1,120
18-20	7.3%	4,953	1,463	838	1,162	1,490
21-24	7.1%	4,822	1,399	898	1,144	1,381
25-34	19.5%	13,235	3,650	2,434	3,616	3,535
35-44	22.4%	15,190	4,301	2,678	3,826	4,385
45-54	12.5%	8,513	2,274	1,582	2,086	2,571
55-64	4.8%	3,237	891	589	805	952
65 AND OVER	4.4%	2,976	691	613	800	872
SEX						
Male	56.4%	38,309	10,950	7,013	9,185	11,161
Female	42.0%	28,557	8,117	5,371	7,113	7,956
Unknown	1.6%	1,071	22	21	1,027	1

NOTE: Includes incomplete data from Mecklenburg Area Program.

*TOTALS DO NOT ALWAYS EQUAL 100 % DUE TO ROUNDING **DERIVED FROM DSM-IV CODING